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<b>TRANSMITTAL FORM</b> (to be used on all correspondence after initial filing)		ATTORNEY DOCKET NO. <b>70015.0057USD2</b>	
		U.S. PATENT NO. <b>6,998,238</b>	CONFIRMATION NO. <b>9900</b>
		ISSUE DATE <b>February 14, 2006</b>	
INVENTOR(S) <b>Richard J. Bucala et al.</b>		EXAMINER <b>Patrick J. Nolan</b>	GROUP ART UNIT <b>1644</b>
TITLE OF APPLICATION <b>METHOD FOR DETERMINING MIF CONTENT</b>			

ADDRESS TO:	Certificate of Corrections Branch Commissioner for Patents P.O. BOX 1450 ALEXANDRIA, VA 22313-1450
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## ENCLOSURES

- ☒ Transmittal Form
- ☒ Fee Transmittal (In Duplicate)
- ☒ Request for Certificate of Correction (1 page)
- ☒ Certificate of Correction (4 Sheets)
- ☒ Return Postcard

**Certificate**  
**NOV 28 2006**  
**of Correction**

☒ Please charge Deposit Account No. 13-2725 in the amount of \$100.00 to cover any required fees. In the event any variance exists between this amount and the Patent Office charges for filing the above-noted documents, including any fees required under 35 CFR 1.136 for any necessary extension of time to make the filing of the attached documents timely, please charge or credit the difference to Deposit Account No. 13-2725. Further, if these papers are not considered timely filed, then a request is hereby made under 37 CFR 1.136 for the necessary extension of time.

## CORRESPONDENCE ADDRESS

☒ The address associated with Customer Number: **23552** OR ☐ the correspondence address below.

Name

Address

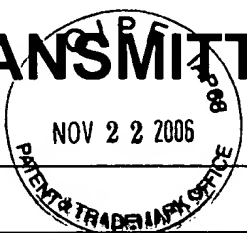
City

State

Zip Code

NAME	Christopher W. Raimund	REGISTRATION NO.		47,258	
SIGNATURE		DATE	November 22, 2006	TELEPHONE	202 326-0300
NAME	Dawn G. Kroznick	REGISTRATION NO.		44,118	

NOV 28 2006

<h1 style="margin: 0;">FEE TRANSMITTAL</h1> <div style="text-align: center;">  </div>		ATTORNEY DOCKET NO. <b>70015.0057USD2</b>	
		U.S. PATENT NO. <b>6,998,238</b>	CONFIRMATION NO. <b>9900</b>
		ISSUE DATE <b>February 14, 2006</b>	
INVENTOR(S) <b>Richard J. Bucala et al.</b>		EXAMINER <b>Patrick J. Nolan</b>	GROUP ART UNIT <b>1644</b>
TITLE OF APPLICATION <b>METHOD FOR DETERMINING MIF CONTENT</b>			
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Certain fees are reduced by 1/2.		TOTAL AMOUNT OF PAYMENT <b>\$100.00</b>	

☒ Please charge Deposit Account No. 13-2725 in the amount of \$100.00 to cover any required fees. In the event any variance exists between this amount and the Patent Office charges for filing the documents noted below, including any fees required under 37 CFR 1.136 for any necessary extension of time to make the filing of the attached documents timely, please charge or credit the difference to Deposit Account No. 13-2725. Further, if these papers are not considered timely filed, then a request is hereby made under 37 CFR 1.136 for the necessary extension of time. A duplicate copy of this sheet is enclosed for fee processing.

The following fees have been submitted:

#### APPLICATION FEES

	FEE CODE	DESCRIPTION	FEE	CALCULATE
<input type="checkbox"/>	1011	Basic Filing Fee - Utility	\$300.00	
<input type="checkbox"/>	1111	Utility Search Fee	\$500.00	
<input type="checkbox"/>	1311	Utility Examination Fee	\$200.00	
<input type="checkbox"/>	1012	Basic Filing Fee - Design	\$200.00	
<input type="checkbox"/>	1112	Design Search Fee	\$100.00	
<input type="checkbox"/>	1312	Design Examination Fee	\$130.00	
<input type="checkbox"/>	1005	Provisional Application Filing Fee	\$200.00	
<input type="checkbox"/>	1014	Basic Filing Fee - Reissue	\$300.00	
<input type="checkbox"/>	1051	Surcharge - Late Filing Fee, Search Fee, Examination Fee or Oath or Dec.	\$130.00	
<input type="checkbox"/>	1801	Request for Continued Examination	\$790.00	
<input type="checkbox"/>	1814	Terminal Disclaimer	\$130.00	
<input type="checkbox"/>	1452	Petition to Revive Unavoidably Abandoned Application	\$500.00	
<input type="checkbox"/>	1453	Petition to Revive Unintentionally Abandoned Application	\$1,500.00	
<b>SUB TOTAL</b>				<b>\$ 0.00</b>

#### EXTENSION OF TIME FEES

	FEE CODE	DESCRIPTION	FEE	SUBMITTED
<input type="checkbox"/>	1251	Extension for Response Within the First Month	\$120.00	
<input type="checkbox"/>	1252	Extension for Response Within the Second Month	\$450.00	
<input type="checkbox"/>	1253	Extension for Response Within the Third Month	\$1,020.00	
<input type="checkbox"/>	1254	Extension for Response Within the Fourth Month	\$1,590.00	
<input type="checkbox"/>	1255	Extension for Response Within the Fifth Month	\$2,160.00	
Credit for Extensions Previously Paid				
<b>SUB TOTAL</b>				<b>\$ 0.00</b>

#### APPLICATION SIZE FEES

<input type="checkbox"/> Additional Fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets or fraction thereof.				\$0.00
Total Sheets	Extra Sheets	Number of each additional 50 sheets or fraction thereof (round up to whole no.)	RATE	
0-100	/50=		x \$250.00 =	

NOV 28 2006

DOCKET NO. <b>70015.0057USD2</b>	U.S. PATENT NO. <b>6,998,238</b>	ISSUE DATE <b>February 14, 2006</b>
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#### CLAIM FEES

CLAIMS	NUMBER FILED	NUMBER PREV. PAID FOR	MAX. PAID	NUMBER OF ADD'L CLAIMS	RATE		
Total Claims	0	<input checked="" type="checkbox"/>	20		x \$50	\$0.00	\$0.00
Independent Claims	0	<input checked="" type="checkbox"/>	3		x \$200	\$0.00	
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM(S)					+ \$360	\$0.00	
TOTAL OF ABOVE CALCULATIONS =							

#### APPEALS/INTERFERENCE FEES

	FEE CODE	DESCRIPTION	FEE	SUBMITTED
<input type="checkbox"/>	1401	Notice of Appeal	\$500.00	
<input type="checkbox"/>	1402	Filing a Brief in Support of an Appeal	\$500.00	
<input type="checkbox"/>	1403	Request for oral Hearing	\$1,000.00	
SUB TOTAL			\$ 0.00	

#### POST-ALLOWANCE FEES

	FEE CODE	DESCRIPTION	FEE	SUBMITTED
<input type="checkbox"/>	1501/1511	Utility/Reissue Issue Fee	\$1,400.00	
<input type="checkbox"/>	1502	Design Issue Fee	\$800.00	
<input type="checkbox"/>	1503	Plant Issue Fee	\$1,100.00	
SUB TOTAL			\$ 0.00	

TOTAL OF FEES SUBJECT TO REDUCTION FOR SMALL ENTITY STATUS			\$0.00
<input checked="" type="checkbox"/>	Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.		x 0.50= \$0.00

#### FEES NOT SUBJECT TO REDUCTION FOR SMALL ENTITY STATUS

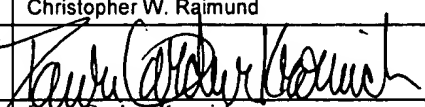
#### POST-ISSUANCE FEES

	FEE CODE	DESCRIPTION	FEE	SUBMITTED
<input checked="" type="checkbox"/>	1811	Certificate of Correction	\$100.00	\$100.00
<input type="checkbox"/>	1812	Request for Ex Parte Reexamination	\$2,520.00	
<input type="checkbox"/>	1813	Request for Inter Partes Reexamination	\$8,800.00	
SUB TOTAL			\$ 100.00	

#### MISCELLANEOUS FEES

	FEE CODE	DESCRIPTION	FEE	SUBMITTED
<input type="checkbox"/>	1053	Non-English Specification	\$130.00	
<input type="checkbox"/>	1806	Submission of an Information Disclosure Statement	\$180.00	
<input type="checkbox"/>	8001	Printed Copy of Patent <u>0</u> copies x	\$3.00	
<input type="checkbox"/>	8021	Recording Assignment, Agreement or Other Paper <u>0</u> properties x	\$40.00	
<input type="checkbox"/>	1504/1505	Publication/Republication Fee	\$300.00	
SUB TOTAL			\$ 0.00	

TOTAL FEES SUBMITTED	\$100.00
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NAME	Christopher W. Raimund	REGISTRATION NO.	47,258
SIGNATURE		DATE	November 22, 2006
NAME	Dawn Gardner Krosnick	REGISTRATION NO.	44,118

NOV 28 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

REQUEST FOR CERTIFICATE OF  
CORRECTION

ATTORNEY DOCKET NO.

70015.0057USD2

U.S. PATENT NO.

6,998,238

ISSUE DATE

February 14, 2006

PATENTEE(S)

Richard Bucala et al.

TITLE

METHOD FOR DETERMINING MIF CONTENT

Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

It is requested that a Certificate of Correction be issued correcting printing errors appearing in the above-identified United States patent. One copy of the text of the Certificate in suggested form is enclosed.

The issuance of the Certificate of Correction would neither expand nor contract the scope of the issued patent claims and re-examination is therefore not required.

☐ All of the errors were incurred through the fault of the U.S. Patent and Trademark Office. Accordingly, no fee is necessary.

☒ The Certificate of Correction fee of \$100.00 is enclosed.

Respectfully submitted,

MERCHANT & GOULD, P.C.

Christopher W. Raimund  
Registration No. 47,258

Dawn Gardner Krosnick  
Registration No. 44,118

November 22, 2006

Date

P.O. Box 2903  
Minneapolis, Minnesota 55402-0903  
Telephone No. (202) 326-0300  
Facsimile No. (202) 326-0778

23552

Patent & Trademark Office

11/24/2006 RFEKADU2 00000076 132725 6998238

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**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

**PATENT NO. :** 6,998,238 B2

**PAGE** 1 **of** 4

**DATED :** February 14, 2006

**INVENTOR(S) :** Bucala et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1, line 8, "which is continuation-in-part" should read --which is a continuation-in-part--.

Column 2, line 36, "cytok-ine" should read --cyto-kine--.

Column 4, line 41, "endot-oxin" should read --endo-toxin--.

Column 5, line 23, after "(mmif)" insert --(SEQ ID NO:1)-- and after "(hmif)" insert --(SEQ ID NO:2)--; line 27, after "MIF" insert --(SEQ ID NO:3)--; line 29, after "pituitary MIF" insert --(SEQ ID NO:4)-- and after "T-cell MIF" insert --(SEQ ID NO:5)--.

Column 6, line 25, "CDNA" should read --cDNA--; line 51, "macroph-ages" should read --macro-phages--.

Column 10, line 12, "Applicant's" should read --Applicants--; line 59, "CDNA" should read --cDNA--.

Column 14, line 53, after "AKKGAVGGI" insert --(SEQ ID NO:6)--; line 57, after "I-X-HNTVATEI(S)(G)YN(N/G)A(M)" insert --(SEQ ID NO:7)--.

Column 15, line 8, "CDNA" should read --cDNA--.

Column 16, line 40, "peptides'" should read --peptides'--; line 67, after "FIG. 2" insert --(SEQ ID NOS:1 and 2)--.

Column 17, line 25, "ph" should read --pH--.

Column 18, line 45, "adeno-virus" should read --adenovirus--; line 47, "CHO/dhfr" should read --CHO/DHFR--.

**MAILING ADDRESS OF SENDER:**

Merchant & Gould P.C.  
Attn: Dawn G. Krosnick  
P.O. Box 2903  
Minneapolis, MN 55402-0903

**PATENT NO.** 6,998,238 B2

**Docket No.** 70015.0057USD2

**No. of add'l copies** 0

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**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

**PATENT NO. :** 6,998,238 B2

**PAGE** 2 **of** 4

**DATED :** February 14, 2006

**INVENTOR(S) :** Bucala et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 22, line 53, "deoxy-nucleotides" should read --deoxynucleotides--.

Column 23, line 48, "Hanks's" should read --Hanks'--.

Column 26, line 61, "CC<sub>2</sub>" should read --CO<sub>2</sub>--.

Column 27, line 24, after "CAC-3'" insert --(SEQ ID NO:8)--; line 25, after "5'" insert --(SEQ ID NO:9)--.

Column 30, line 6, "Co<sub>2</sub>" should read --CO<sub>2</sub>--; line 60, "used" should read --use--.

Column 31, line 24, after "(FIG. 3)" insert --(SEQ ID NO:3)--; line 31, the word "HUMIF" should read --HuMIF--; line 50, "CDNA" should read --cDNA--.

Column 32, line 4, "Coli" should read --coli--; line 15, "CDNA" should read --cDNA--.

Column 34, line 21, insert space between "separateexperiments" should read --separate experiments--.

Column 35, line 15, "nitrile" should read --nitrite--.

Column 37, line 57, "0111:84" should read --0111:B4--; line 64, "011.B" should read --0111.B4--.

Column 39, line 13, "agter" should read --after--.

Column 40, line 20, "BALB/C" should read --BALB/c--.

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**PATENT NO.** 6,998,238 B2

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**PATENT NO. :** 6,998,238 B2

**PAGE** 3 **of** 4

**DATED :** February 14, 2006

**INVENTOR(S) :** Bucala et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 42, line 52, insert --(SEQ ID NO:10)-- after "5'-CCATGCCTATGTTTCATCGTG-3'"; line 53, "3'-GA-ACGCGGTGCGGTAGTG-5'" should read --3'-GA-ACAGCGGTGCAGGTAAGTG-5' (SEQ ID NO:11)--; line 57, "5'-CCTGGTCA-GAGTTTAA-3'" should read --5'-CCTGGTCGCA-GAGTTTAA-3' (SEQ ID NO:12)--; line 58 "3'-TCTGTTTCCTTGCAGACC-5'" should read --3'-TCTGTTTCCTTGCAAGACC-5' (SEQ ID NO:13)--; line 59, "5'-GTGGGCCGCTCTGGCACCA-3'" should read --5'-GTGGGCCGCTCTAGGCACCA-3' (SEQ ID NO:14)--; line 60, after "3-TGGCCTTAGGGTTCAGGGGG-5'" insert --(SEQ ID NO:15)--.

Column 45, line 30, "Cytonkines" should read --Cytokines--.

Column 47, line 13, "5'-GCGGAGTCCGGGCGGGTCTA-3'" should read --5'-GCGGAGTCCGGGCAGGTCTA-3' (SEQ ID NO:16)--; line 14, insert --(SEQ ID NO:17)-- after "3'-GGGGGGCTGGCTCTGTGAGG-5'"

Column 50, line 55, "chloronaphtol/H<sub>2</sub>O<sub>2</sub>" should read -- chloronaphthol/H<sub>2</sub>O<sub>2</sub>--.

Column 52, line 2, "homongenized" should read --homogenized--.

Column 53, line 44, after "Tyr-Asn-(Asn/Gly)-(Ala)-(Met)" insert --(SEQ ID NO:7)--; line 50, after "Ala-Lys-Lys-Gly-Ala-Val-Gly-Gly-Ile" insert --(SEQ ID NO:6)--.

Column 55, line 46, "Elisa" should read --ELISA--.

**MAILING ADDRESS OF SENDER:**

Merchant & Gould P.C.  
Attn: Dawn G. Krosnick  
P.O. Box 2903  
Minneapolis, MN 55402-0903

**PATENT NO.** 6,998,238 B2

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CERTIFICATE OF CORRECTION**

**PATENT NO. :** 6,998,238 B2

**PAGE** 4 **of** 4

**DATED :** February 14, 2006

**INVENTOR(S) :** Bucala et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 66, lines 43, 45 and 50, "diagnostic" should be deleted.

**MAILING ADDRESS OF SENDER:**  
Merchant & Gould P.C.  
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P.O. Box 2903  
Minneapolis, MN 55402-0903

**PATENT NO.** 6,998,238 B2

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